



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2024/B/5378173
Dated/दिनांक : 20-09-2024

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	21-10-2024 13:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	21-10-2024 13:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	90 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Home Affairs
Department Name/विभाग का नाम	Na
Organisation Name/संगठन का नाम	National Forensic Sciences University
Office Name/कार्यालय का नाम	382007
Total Quantity/कुल मात्रा	1
Item Category/मद केटेगरी	Automated HPLC System for Separation of complex mixtures (Q3)
Minimum Average Annual Turnover of the bidder (For 3 Years)/बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का)	20 Lakh (s)
OEM Average Turnover (Last 3 Years)/मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)	180 Lakh (s)
Years of Past Experience Required for same/similar service/उन्हीं/समान सेवाओं के लिए अपेक्षित विगत अनुभव के वर्ष	3 Year (s)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Compliance of BoQ specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer

Bid Details/बिड विवरण

Do you want to show documents uploaded by bidders to all bidders participated in bid?/	No
Past Performance/विगत प्रदर्शन	60 %
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Arbitration Clause	No
Mediation Clause	No

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	PUNJAB NATIONAL BANK
EMD Amount/ईएमडी राशि	90000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	PUNJAB NATIONAL BANK
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	5.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	39

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

National Forensic Sciences University Dharwad
WALMI Campus, Near Highcourt Dharwad, PB Road, Belur Industrial Area, Dharwad

(Campus Director)

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	No
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Details of the Competent Authority for MII

Name of Competent Authority	Sher Bahudur
Designation of Competent Authority	Under Secretary (Procurement Policy)
Office / Department / Division of Competent Authority	Department of Expenditure, Procurement Policy Division
CA Approval Number	No.F .4/1/ 2023-PPD(pt.)
Competent Authority Approval Date	28-06-2024
Brief Description of the Approval Granted by Competent Authority	Relaxation under Rule 161(iv) of General Financial Rules 2017 tor issuance of Globa! Tender Enquiry (GTE) for procurement of Medica! Devices -reg.

Competent Authority Approval for not opting Make In India Preference : [View Document](#)

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
4. Purchase preference will be given to MSEs having valid Udyam Registration and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service and Buyer will decide eligibility for purchase preference based on documentary evidence submitted, while evaluating the bid. If L-1 is

not an MSE and MSE Seller (s) has / have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such MSE Seller shall be given opportunity to match L-1 price and contract will be awarded for 25% (selected by Buyer) percentage of total quantity. The buyers are advised to refer the OM No. F.1/4/2021-PPD dated 18.05.2023 [OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

5. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

6. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 60% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

7. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Pre Bid Detail(s)

Pre-Bid Date and Time	Pre-Bid Venue
27-09-2024 11:00:00	NFSU Dharwad, WALMI Campus, Near High Court, PB Road, Belur Industrial Area, Dharwad

Automated HPLC System For Separation Of Complex Mixtures (1 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

* जेम कैटेगरी विशिष्टि के अनुसार / As per GeM Category Specification

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Standard parameter	Instrument calibration standards	IEC 17025
Quaternary Gradient Solvent Delivery Unit with Degassing Unit	Components of unit	Quaternary Low-Pressure Gradient pump& Parallel Double Plunger
	Number of solvents delivery	4
	Flow rate setting range in ml/min	0.001 to 10
	Flow rate accuracy	± 1 %, ± 1 % or better
UV-Vis Detector	UV-Vis Detector provided	Yes, No Or higher

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Light source	Deuterium lamp
	Spectrum Band width in nm	4, 8
	Wavelength range in nm	190 - 700
	Sampling Rate in Hz	100
	The flow cell must be temperature Controlled	Yes
	Wavelength accuracy in nm	± 1
	Wavelength reproducibility in nm	± 0.1
	Drift in AU/Hour	less than 1 x 10-4
	Noise level in AU	±5 x 10-6
	Ability to monitor and quantitative 2 wavelengths simultaneously	Yes
	Linearity in AU	2.5 or more
	Temperature control provided for Flow cell	Yes
	Temperature control range for flow cell in Degree Celsius	5 degree above room temp to 50 degree
	flow cell path length in mm	10
	Flow cell volume in ?l	10 - 15
Auto Sample Injector with cooler	Injection Method	Total volume sample injection
	Carry over of sample	0.005% or lower
	Injection precision in RSD	less than 0.50 % RSD
Software	Operating Windows	Win 10 or latest
Photo Diode Array (PDA) Detector	Provision of Photo diode array	Yes Or higher
	PDA detector Wavelength range in nm	190- 800 or better
	Number of Diodes	1024
	PDA detector light source	Deuterium lamp and Tungsten lamp
	PDA detector Wavelength accuracy in nm	± 1
	Data Rate in Hz	100, <100
	Noise in AU	less than ± 1 x 10-5 or lower
	PDA detector Drift in AU/Hour	less than 1 x 10-3

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Temperature controlled flow cell in C	5 degree above room temp to 50 degree
	Flow cell	Flow cell
Warranty & Reports	Warranty (Option of comprehensive warranty is available through bidding only, which if opted will supersede normal warranty in the catalogue)	2, 3, 4, 5 Or higher
	Number of installations in Central /State/PSU Govt Hospitals	<3, >3
	Availability of toll free facility for technical support maintained by OEM or authorized agencies	Yes Or higher

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्रा

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्रा	Delivery Days/डिलीवरी के दिन
1	Rajesh.C	580011,Dharwad Campus National Forensic Sciences University C/O Water & Land Management Institute,NH-4, Belur Industrial Area, Dharwad Karnataka -580011	1	45

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें

1. Generic

Actual delivery (and Installation & Commissioning (if covered in scope of supply)) is to be done at following address

WALMI Campus,
PB Road
near High Court Dharwad
Belur Industrial Area

Dharwad

.

2. **Generic**

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. **Generic**

Bidders shall quote only those products (Part of Service delivery) in the bid which are not obsolete in the market and has at least 2 years residual market life i.e. the offered product shall not be declared end-of-life by the OEM before this period.

4. **Generic**

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. **Generic**

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

6. **Generic**

Installation, Commissioning, Testing, Configuration, Training (if any - which ever is applicable as per scope of supply) is to be carried out by OEM / OEM Certified resource or OEM authorised Reseller.

7. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

8. **Generic**

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

9. **Generic**

Scope of supply includes Training: Number of employees to be trained

4

, Place for Training

NFSU Dharwad

and Duration of training

7

days.

10. Generic

The successful bidder has to supply all essential accessories required for the successful installation and commissioning of the goods supplied. Besides standard accessories as per normal industry practice, following accessories must be part of supply and cost should be included in bid price:

Workstation, Printer, UPS and other accessories

11. Generic

1. The Seller shall not assign the Contract in whole or part without obtaining the prior written consent of buyer.
2. The Seller shall not sub-contract the Contract in whole or part to any entity without obtaining the prior written consent of buyer.
3. The Seller shall, notwithstanding the consent and assignment/sub-contract, remain jointly and severally liable and responsible to buyer together with the assignee/ sub-contractor, for and in respect of the due performance of the Contract and the Sellers obligations there under.

12. Generic

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

13. Scope of Supply

Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

14. Turnover

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

15. Turnover

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

16. OEM

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

17. Service & Support

Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.

18. Service & Support

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

19. Service & Support

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

20. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

21. Certificates

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

22. Warranty

Warranty period of the supplied products shall be 3 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

23. Warranty

Over and above the normal Warranty terms as per GeM GTC, the successful bidder / OEM shall have to provide Comprehensive Warranty during the entire Standard warranty period as per contract. : The comprehensive warranty shall be covering the following scope

Equipment and all major spares and accessories

(Upload an undertaking with the bid confirming compliance by the bidder if Bidder is taking onus of this compliance. In case OEM is taking onus of this compliance, OEM undertaking is to be uploaded along with Bidder undertaking)

24. Warranty

Successful bidder will have to ensure that adequate number of dedicated technical service personals / engineers are designated / deployed for attending to the Service Request in a time bound manner and for ensuring Timely Servicing / rectification of defects during warranty period, as per Service level agreement indicated in the relevant clause of the bid.

25. Warranty

Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 5 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.

26. Past Project Experience

Proof for Past Experience and Project Experience clause: For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc. **Proof for Past Experience and Project Experience clause:** For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria: a. Contract copy along with Invoice(s) with self-certification by the bidder that service/supplies against the invoices have been executed. b. Execution certificate by client with contract value. c. Any other document in support of contract execution like Third Party Inspection release note, etc.

27. Past Project Experience

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

28. Financial Criteria

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

29. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

1. For Considering Technical Evaluation and Supply of the Material the below-mentioned technical parameters to comply with. Failing which, your bid will be rejected from the Technical Evaluation and no representation in this regard will be entertained and University reserves all rights on the same.

Sr. No	Features	Detailed Specifications:	Compliance (Yes / No)	Remarks
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1.	Solvent Delivery Unit	<ul style="list-style-type: none"> · A Quaternary System with ability to blend up to 4 solvents in any combination as Standard & must be upgradeable to 8 or more as and when necessary · System Should Works in both Isocratic & Gradient Methods. · Pumping Method: Parallel-type double plunger · Flow Rate Settings Range : 0.001 - 5 mL/min or more/better · Maximum Pressure: 15,000psi · Flow Rate Accuracy: $\pm 1\%$ · Flow Rate Precision: $\leq 0.06\%$ RSD or better · Gradient mode: Quaternary gradient with De-Gasser. · Gradient Range of Set Concentrations: 0~100% (in 0.1% steps) · Gradient Concentration Accuracy: $\pm 0.5\%$ or better · pH Range: 1 - 12 or better · Automatic Rinsing Kit to be built in 		
2.	Online Vacuum Degasser	<ul style="list-style-type: none"> · Number of degassed solvents: 4 or 5 <p>Degassed flow line capacity: 400 μL per line or better</p>		

3.	Auto sampler with cooler	<ul style="list-style-type: none"> · Injection method : Total injection · Injection Volume : 0.1 to 50 μL or better · Injection volume accuracy : $\leq 1\%$ or better · Linearity: $>0.9999\%$ · Injection cycle time : ≤ 10 seconds or better · Samples for Processing: 160 Nos. (1.5 mL sample vial) or better · Injection Volume Reproducibility : $RSD \leq 1.0\%$ (0.5-0.9 μL), · Carryover : $\leq 0.002\%$ or better · Dip rinsing outside the needle and injection port rinsing · Pumping rinse outside the needle · Sample cooler temperature setting range : 4 ~ 40 $^{\circ}$C or better · Sample cooler temperature accuracy: $\pm 2^{\circ}$C or better <p>pH Range : 1 - 12 or better</p>		
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4.	PDA Detector	<ul style="list-style-type: none"> · The wavelength range should be 190 nm - 800 nm · The photo-diode array detector should have 1024 elements and an element resolution of 1.2 nm/element must be available. · The detector must be able to record 8 channels simultaneously · Optical wavelength: 10 mm, Capacity: 12 µL, Pressure: 12 MPa · The flow cells temperature setting range 20 ~ 50 °C or better · Wavelength accuracy should be ±1 nm · The Drift must be smaller than 0.6×10^{-3} AU/Hour · The Noise Level must be smaller than 4.5×10^{-6} AU · Linearity should be equal or more than 2.0AU · It should have automatic wavelength accuracy check at 4 wavelengths (UV & Vis) & wavelength correction · It must have data buffering function to collect up to 20 min of data for all wavelength regions in case of PC malfunctions 			
5.	Column Oven	<ul style="list-style-type: none"> · Cell temperature control type: Forced air circulation · Temperature control range : Room Temperature 5 °C ~ 85 °C or better · Temperature accuracy : ±0.8 °C <p>Temperature precision : ±0.2 °C</p>			
6.	Chromatography Software :	<ul style="list-style-type: none"> · Original licensed software (perpetual license) for scanning spectra, peak purity etc. · Software should be 21CFR compliance & Audit trail. · Software should be compatible with RID, auto sampler, PDA and fluorescence detector. · Software should have easy im 			

port/export of data option.

- Ability to process signals from more than one wavelength.
- Ability to acquire, analyse, and store spectral library.
- Software must have monitoring and diagnostic features.
- Provision for parameter validation management.
- Easy and flexible report generation in desired format.
- Automated peak purity evaluation using peak spectra and peak signal information.
- Automated spectra library searches
- Mathematical operations like normalize, subtract, smooth, derive and etc.
- Signal definition parameters (wavelengths and bandwidths), atenuation, response time, zero offset, spectra definition and analog outputs must be user selectable.
- Must be able to modify set points and time-programs even during a run.
- For unattended system conditioning it must be possible to switch on the lamp automatically at a pre-selected time and date.
- It must be possible to switch off the lamp automatically at a pre-selected time and date.
- The instrument must provide extensive information for diagnostic purposes as for example: counters for actual and total lamp on time (since last reset)
- Memory buffers with information on for example the last instrument profile and the last holmium spectrum.
 - It must be possible to reset certain counters, for example, after a repair.

		<ul style="list-style-type: none"> • It must be possible to reset certain counters, for example, after a repair. Real time triggers to react the condition i.e. to take action on Fault, Leakage, Stop, Start, wavelength switching, injection etc. • System Controller should be quoted • UHPLC should be with Analytical Intelligence feature 		
7.	Columns	<ul style="list-style-type: none"> • 5 Reversed phase columns (1) C-18 Column: 150mm x 4.6 mm, 3μ or equivalent (2 No.s) (2) C-18 Column: 100mm x 2.1 mm, 3μ or equivalent (2 No.s) (3) C-8 Column: 150mm x 4.6 mm, 3μ or equivalent (1 No.s) • 1 Normal Phase column • NH2 Column: 250 mm x 4.6 mm, 5μ • Suitable Guard Column with cartridges for each above mentioned column 		
8.	Sample & solvent filtration kit	Sample & Solvent Filtration Kit should be provided including vacuum pump, sample/solvent holders, filter papers etc. Sample vials and vial inserts should be included for automatic injection of the samples.		
9.	Warranty	<ul style="list-style-type: none"> • 3 Years Warranty should be provided • Service and Application support Centre should be available in Karnataka. 		

10.	Accessories	<ul style="list-style-type: none"> · Workstation (with minimum specs: core i5 or above, 8 GB RAM or above, 500 GB SSD and 2TB hard disk, 19" or above monitor to host the chromatography software for offline data processing, plotting of chromatograms, spectral analysis, and data analysis.) · A Color laser jet printer (Duplex printing) for printing data/ chromatograms for various purposes. <p>UPS Connection: 3 kVA online UPS with 1 hour backup</p>		
11.	Additional required spares	<ul style="list-style-type: none"> · Plunger seals (2 Nos) · Check-in Check-out valve (2 No.s) · Sample loop (50 µL): 1 No.s · 200 nos. of 1.5 mL of HPLC vials caps & septa · As and when required the below mentioned additional lamps must be provided free of cost within warranty period. · Additional Deuterium (D2) lamp - 1no.s · Additional Tungsten lamp - 1no.s 		
12.	List of solvents	HPLC grade water, methanol, acetone and acetonitrile (each 5 litre)		
13.	Certificates	CE certificate is required.		

GENERAL TERMS & CONDITIONS

1. The specification of the offered item must be specified, ensuring that the make and model are clearly indicated. Mere reproduction of the requested specification without the support of an official or printed brochure of the offered product may result in the rejection of the bid.
2. The uninstallation, transfer, and installation of the instrument to the new location (Perm

anent Campus) shall be the responsibility of the successful bidder, as and when instructed by NFSU Dharwad within 4 years from the date of the initial installation, at free of cost.

3. Bidding may only be submitted by the 'Original Equipment Manufacturer' or their 'Authorized Dealers'.
4. The Buyer Added Bid Specific Terms and Conditions shall apply to this bid. These Specific Terms and Conditions shall modify, substitute, or supplement the other clauses mentioned in the bid document. In the event of any conflict between the provisions of other clauses in the bid document and those in the Buyer Added Bid Specific Terms and Conditions, the provisions contained in the Buyer Added Bid Specific Terms and Conditions shall prevail.
5. Any additional specification parameters stipulated in the Bid Document must be complied with by the Bidder/Seller, and the supply must be made accordingly; otherwise, the material will be subject to rejection.
6. Documents not submitted with the bid and clarifications sought during the evaluation stage but provided later during representation will not be considered for evaluation.
7. EMD Exemption will be provided as per Government of India norms and guidelines.
8. NFSU Dharwad reserves the right to Cancel/Modify the bidding process fully or partially at any time without incurring any liabilities to NFSU Dharwad in this regard.
9. Following documents duly signed by the authorized representative of the Firm / Company shall invariably be submitted/uploaded by the bidder(s) along with the bid for evaluation of the offer:
 - Bidder has to mandatorily upload the compliance of Bid document specification along with the bid.
 - Technical Specification Compliance (ATC) to be filled by the bidder
 - Annexure I - Acceptance of terms and conditions.
 - Annexure II (EMD / Bidder Declaration) - if EMD exemption is claimed then Bidders are required to submit bid securing declaration against this bid. EMD exemption will only give to Original Equipment Manufacturer. The traders, dealers are excluded from purview of exemption.
 - 'Annexure III' (Declaration-Blacklisting, Fraud and Corrupt Practices & Land border)
 - 'Annexure IV' (Price Reasonability Certificate)
 - Annexure V' (work experience cert./work orders)
 - Annexure VI (Checklist of Documents to be submitted)

- Bidders are required to submit PAN and GST certificate along with this bid.
 - Bidders are required to submit Manufacturer Authorization Form (MAF) along with this bid. In case bidder quote goods of more than one OEM then MAF is required from all different OEM.
 - Any other documents relevant to this Bid.
10. Payment will be made upon successful delivery, installation, training (if any), and acceptance. No advance payment will be made. Payment may be released through RTGS/online payment mode upon complete execution of the purchase order (PO)/work order and submission of all required documents as per the order, preferably within 30 days after satisfactory supply, inspection, installation/commissioning, and acceptance, and upon submission of a pre-receipted tax invoice, delivery challan, warranty certificate, and installation report in triplicate, and subject to the submission and verification of the Performance Bank Guarantee (PBG).
 11. The supplier must demonstrate a proven appropriate set-up and capability to provide after-sales service efficiently and effectively.
 12. Inspection after Installation & Commissioning of the equipment at consignee's/User site: The goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at consignee's premises for their compliance to the contract specifications.
 13. Following the award of the contract, it is required that the premises be visited by the authorized representative of the successful bidder, who shall then suggest the site conditions for the equipment prior to its delivery. Failure to adhere to the aforementioned procedure and declaring the site unsuitable for installation by the buyer will result in the liquidated damage (LD) as per norms. Any requests for an extension of the delivery or installation dates will not be considered. Penalties will be imposed as deemed appropriate.
 14. For any queries with regard to terms and conditions of this tender, please write to purchasing_dharwad@nfsu.ac.in or can be contacted at +91 836 200 2641/ +91 836 200 2614

Special Terms and conditions

1. The system should be upgradable in future to accommodate other detectors (such as UV and mass spectrometry), pumps (for higher pressures and semi-preparative applications) and fraction collector modules. The present system should be able to use for manual collection of samples as and when needed.
2. Must be a stackable, self-contained system with solvent resistant materials used in all areas which may have contact with the mobile phase.
3. There should be minimum of 20 installations of similar systems in reputed Indian academic institutes.
4. The technical bid should be accompanied by an item-wise compliance report that is signed & stamped by the authorized signatory of the bidder in all pages. This compliance report should have reference to the page number of the manual in which the specific technical compliance details with respect to each item of technical specification. It is preferable that the vendor provides additional reference to these technical details in their product web site as well.
5. Wherever applicable, the manuals/videos must include assembly, installation, and maintenance details. Any other technical specifications should be supported with documents like drawings and catalogues.
6. The supplier should install the complete setup at NFSU Dharwad, supervise the lab user after the installation, and demonstrate the system's operation.
7. The vendor may be required to provide a technical demonstration and presentation of the equipment to the institute during the technical evaluation, if required.

30. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. If any clause(s) is / are incorporated by the Buyer regarding following, the bid and resultant contracts shall be treated as null and void and such bids may be cancelled by GeM at any stage of bidding process without any notice:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process. (However, in bids for [attached categories](#), trials are allowed as per approved procurement policy of the buyer nodal Ministries)
9. Mandating foreign / international certifications even in case of existence of Indian Standards without

specifying equivalent Indian Certification / standards.

10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---